SWP Water Quality Summary

June 8 to July 09, 2010

Electrical Conductivity: EC decreased at all locations from June 8 to July 09, 2010. Concentrations ranged from 194 uS/cm to 462 μS/cm (116 mg/L to 277 mg/L), which is below the Article 19 Monthly Average Objective of 440 mg/L (733 μS/cm). As of July 9, 2010, Check 29 had the highest concentration of 351 μS/cm (210 mg/L) with a -20% change, while HBP had the lowest concentration of 194 μS/cm (116 mg/L) with a -38% change.

Bromide*: Concentrations exceeded the California Bay-Delta Authority (CBDA) Objective of 0.05 mg/L at Check 29 and Check 41 and ranged from 0.05 mg/L to 0.20 mg/L. As of July 09, 2010, HBP, Barker Slough and Vallecitos had the lowest concentration of 0.05 mg/L, while the highest concentration of 0.13 mg/L occurred at Check 29.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: Turbidity levels increased at HBP, Barker Slough and Vallecitos, but decreased at Check 29 and Check 41. Turbidity ranged from 5.6 NTU to 68.2 NTU this month. On July 8, 2010, the lowest level of 5.6 NTU occurred at Check 41, while the highest level of 68.2 NTU occurred at Barker Slough. The 32-day average turbidity level at HBP on July 9 was 26.7 NTU with a 13% change.

Dissolved Organic Carbon (DOC): Concentrations decreased at HBP, but increased at Check 13 and Edmonston from June 8 to July 9, 2010. DOC 32-day average concentrations were 2.8 mg/L at HBP, 3.4 mg/L at Check 13 and 3.2 mg/L at Edmonston. As of July 9, 2010, HBP had the highest change in concentration at -19%.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP ranged from non-detect to 3 ng/L at Clifton Court Inlet, HBP, South Bay Aqueduct at Del Valle Check 7, O'Neill Forebay Outlet (Check 13), Check 41, Castaic Lake, Lake Perris and Silverwood Lake.

Ground water pump-ins to the California Aqueduct from June 8 to July 9, 2010 totaled 23,095AF. The break down of the total volume was:

- Arvin Edison Water Storage District = 277 AF
- Kern Water Bank Authority (operates the Kern Water Bank Canal) = 5,724 AF
- Kern County Water Agency (operates the Cross Valley Canal) = 2,565 AF
- Semitropic (2&3) Water Storage District = 14,529AF
- Wheeler Ridge Maricopa Water Storage District = 0 AF.

As of July 09, 2010, no data was available for Devil Canyon due to maintenance driven station shut down.

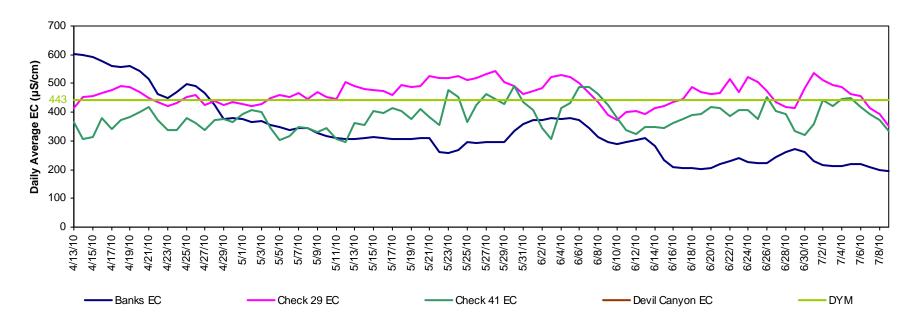
Note:

The intent of the monthly water quality (WQ) summary is to acquaint state water contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and should be directed to Cindy Garcia at 916-653-7213, or Austine Eke at 916-653-7227. To view WQ data from the automated stations along the SWP, visit:

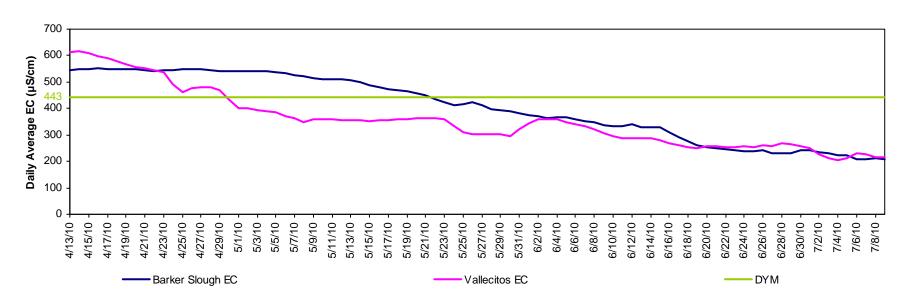
http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston daily AF pumping data, visit: www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

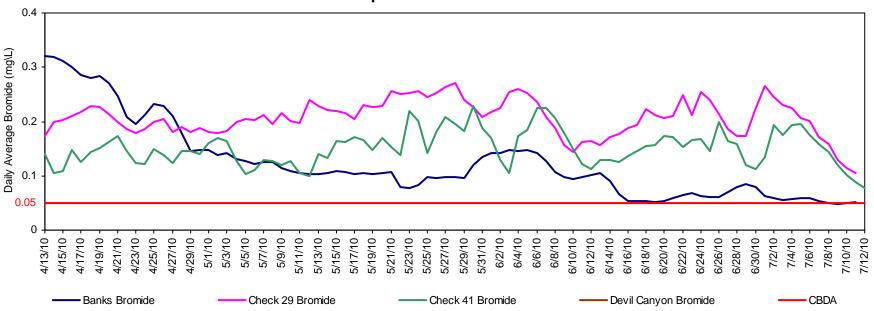
California Aqueduct - Electrical Conductivity



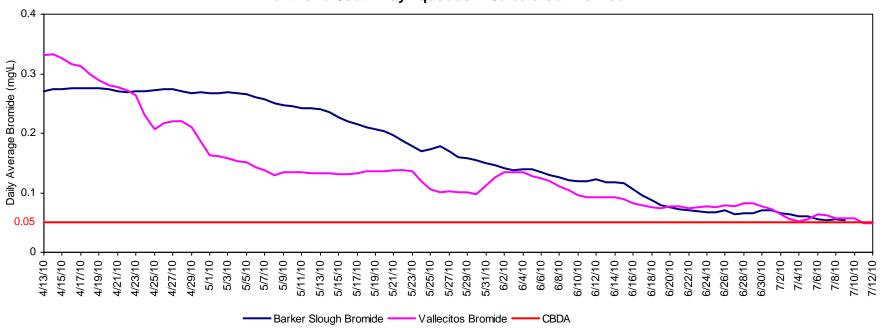
North and South Bay Aqueduct - Electrical Conductivity



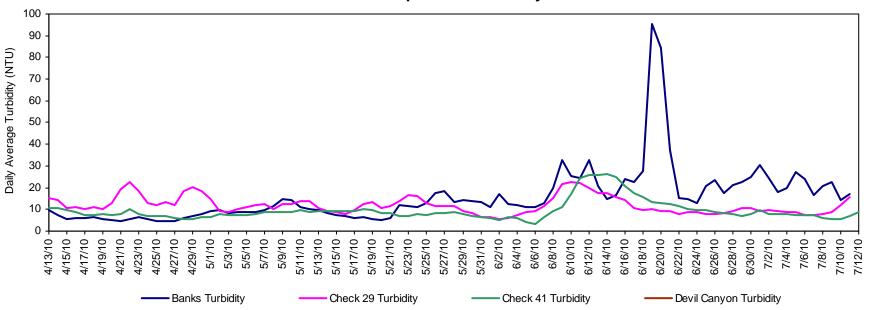
California Aqueduct - Calculated Bromide



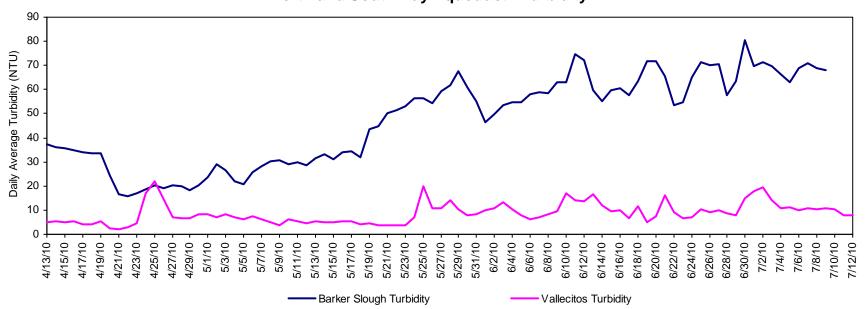
North and South Bay Aqueduct - Calculated Bromide



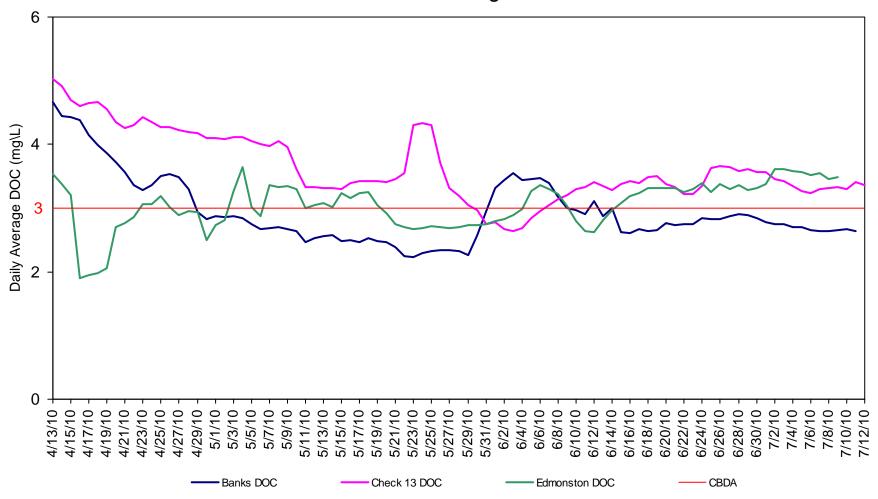
California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon



SWP Water Quality Report

DWR Operations & Maintenance Water Quality Automated Station Data from June 8 to July 9, 2010

Automated sampling stations provide real time data by continuously measuring water quality conditions in the California Aqueduct.

Water Quality Parameters	Objective	Range	Harvey O. Banks PP KA000331	Check 29 KA024454	Check 41 KA030341	Devil Canyon KA041288	NBA at Barker Slough KG000000	Vallecitos KB002250	Check 13 O'Neill Forebay Outlet KA007089	Edmonston PP Milepost 293.45
EC (µS/cm)	733**	6/08/2010	313	437	462		346	321		
		7/09/2010	194	351	336	NO	208	214		
		% change	-38	-20	-27	DATA	-40	-33		
		32-day Avg	239	448	389		264	256		
Bromide (mg/L)	0.05*	6/08/2010	0.11	0.19	0.20	NO	0.13	0.11		
		7/09/2010	0.05	0.13	0.12	DATA	0.05	0.05		
		% change	-54	-31	-40		-61	-54		
		32-day Avg	0.07	0.20	0.15	NO	0.08	0.08		
Turbidity (NTU)		6/08/2010	20	15.2	9.2	DATA	58.6	8.2		
		7/09/2010	22.5	9.0	5.6		68.2	10.9		
		% change	13	-41	-39	NO	16.4	33		
		32-day Avg	26.7	11.6	12.6	DATA	65.6	11.2		
DOC (mg/L)	3.0*	6/08/2010	3.2						3.1	3.2
		7/09/2010	2.6						3.3	3.5
		% change	-19						6	9
		32-day Avg	2.8						3.4	3.2
Taste & Odor Parameters	Range	Clifton Court KA000000	Harvey O. Banks PP KA000331	Lake Del Valle, Check 7 KB001632	Check 13 O'Neill Forebay Outlet KA007089	Check 41 KA030341	Check 66 KA040341	Castaic Lake	Lake Perris	Silverwood Lake
MIB (ng/L)	6/1/2010	ND	ND to 1	ND to 1	ND to 3	ND	No Data	ND	1 to 2	ND to 1
Geosmin (ng/L)	6/30/2010	2 to 3	1 to 2	ND to 2	ND 10 3	ND	No Data	3	ND	ND to 2

^{*}CBDA Objective; **Article 19 Monthly Average (converted from 440 mg/L to 733µS/cm); ND = Non-detect.